ELSEVIER

Journal of Membrane Science 110 (1995) 267

journal of MEMBRANE SCIENCE

Author Index

Aihara, M., 249
Alonso, A.I., 151
Anderson, M.A., 141

Baron, M.G., 47
Belkina, N.V., 253
Bowen, W.R., 229, 233

Carrère, H., 191
Castino, F., 169
Chapotot, A., 69
Chen, J., 1
Cherkasov, A.N., 79
Chou, K.-S., 203
Chu, I.-M., 203
Chu, L., 141

Dabou, X.S., 239

Gavach, C., 69, 181
Gu, J., 257
Guo, Q., 1

Hashimoto, Y., 91
Hausmanns, S., 59
Hijnen, H.J.M., 261
Hilal, N., 229, 233
Huang, J., 1
Huang, T.-L., 211

Juang, R.-S., 13

Kaldis, S.P., 239
Kapantaidakis, G.C., 239
Kato, M., 91
Kato, S., 219
Kimijima, T., 91
Korotchkova, S.A., 1
Kunz, B., 59

Lai, J.-Y., 25
Laufenberg, G., 59
Lee, S.-H., 13
Li, A., 257
Li, S.-L., 203
Liang, L., 99
Lin, F.-C., 25
Lin, J.-Y., 203
Lin, L., 83
Lorrain, Y., 181
Lovitt, R.W., 229, 233

Nagahama, K., 219
Nagasaki, Y., 91
Nakano, K., 219
Negishi, Y., 249
Nesterov, I.A., 1
Nikonenke, V., 69
Noritomi, H., 219

Ohya, H., 1, 249
Onodera, T., 249

Pantelides, C.C., 151
Peinemann, K.-V., 37
Polotsky, A.E., 79
Porter, J.J., 119
Pourcelly, G., 69, 181
Premnath, V., 133

Rao, M.B., 109
René, F., 191
Ruckenstein, E., 99

Sakellaropoulos, G.P., 239
Schultz, J., 37
Sircar, S., 109
Sistat, P., 69
Smit, J.A.M., 261
Solovieva, A.B., 253
Sun, Y.-M., 211

Volkov, V.I., 1
Vorobiev, A.V., 253

Wang, D.-M., 25
Watson, J.M., 47
Wickramasinghe, S.R., 169
Williams, P.M., 229, 233

Xiong, G., 257

Yen, H.-W., 203

Zheng, L., 257
Zhuang, S., 119

ELSEVIER

Journal of Membrane Science 110 (1995) 269–270

journal of MEMBRANE SCIENCE

Subject Index

Alcohol oxidation, 253
Aliquat 336, 151
Alkaline salts, 181
Anion-exchange membrane, 181
Asymmetric membrane, 25
Atomic force microscopy, 229, 233

Blend membranes, 239

Carbon, 109
Catalytic process, 253
Ceramic coatings, 141
Ceramic membranes, 119, 141, 203
Clustering, 47
Composite membranes, 119, 249, 257
Concentration factors, 191
Conductivity, 69
Crossflow filtration, 191
Cr(VI), 151

Deglycerolization, 169
Dew pointing, 37
Di(2,4,4-trimethylpentyl)phosphinic acid, 13
Diafiltration, 169
Diblock copolymers, 133
Diffusion, 47, 133
Diffusion coefficient, 1
Distribution of pores by size, 79

Electroless plating, 257
Emulsion liquid membrane, 219
Escherichia coli, 203
Ethanol–water mixtures, 211
Europium(III), 13
Extraction equilibrium, 13

Facilitated transport, 83
Filtration coatings, 141

Gas and vapour permeation, 133
Gas diffusion, 91
Gas flux, 25
Gas permeation, 239
Gas separation membranes, 91
Gas separations, 37, 109, 141, 249
Glass transition temperature, 91

H_2SO_4, 181
HCl, 181
High density fermentation, 203
Hollow fibre, 151
Hydrogen, 239

Impedance, 69
Inorganic membranes, 119, 233
Intermolecular interactions, 59
Interpenetrating polymer network membrane, 99

Lamellar morphology, 133
Laser sintering, 249
Low pressure reverse osmosis, 59

Membrane, 79
Membrane breakage, 219
Membrane morphology, 25
Metal-alkoxide, 249
Microfiltration, 119, 169, 203
Microporous and porous membranes, 109, 119, 169
Mixed gas selectivity, 37
Model description, 219
Modelling, 151, 191
Modification technique, 257
Modules, 83, 169
Multicomponent systems, 59
Multi-stage continuous process, 191

Natural gas, 37
Nonuniform, 83
Nucleation, 47

Operating conditions, 191
Optimum experimental condition, 219
Organic acids, 59
Oxygen permselective membranes, 91

Palladium, 257
Perfluorinated membranes, 69
Pervaporation, 99, 211, 253
Poly(4-methyl-1-pentene) (TPX), 25

Polyacrylamide, 99
Poly(dimethylsiloxane), 47
Polyimide, 239
Polymeric membrane, 233
Polyoctylmethylsiloxane, 37
Polysulfone, 239
Polytrimethylsilylpropyne, 37
Polyunsaturated fatty acid, 219
Polyvinyl alcohol, 99
Poly(vinyl alcohol-*g*-*N*-isopropyacrylamide) membranes, 211
Pore size distribution, 229, 233
Proton leakage, 181
Pulsed field gradient NMR, 1

Radiotracers, 69
Recovery-enrichment, 151
Resolving power, 79
Retention curve, 79

Selective surface flow, 109
Selectivity, 59
Self-diffusion, 1, 69
Sensitization and activation process, 257
Separation performance, 83
Sieving mechanism, 79
Silica membranes, 141
Silicon-containing polystyrenes, 91
Supported liquid membrane, 13
Supported membrane, 99
Surface roughness, 233

Temperature-sensitive membranes, 211
Theory, 133
Transport rate, 13

Ultrafiltration, 79, 229
Unsupported membrane, 99

Water, 47
Water–ethanol mixtures, 99
Wet phase inversion method, 25

Zirconia–silica, 249